

Amendments to the Specification:

Please replace paragraph [0003], on page 1, with the following amended paragraph:

This application is related to the following commonly assigned, copending application, serial number _____ filed, _____, 09/851,938 filed May, 10, 2001, and entitled: "PARALLEL LOOKUP TABLES FOR LOCATING INFORMATION IN A PACKET SWITCHED NETWORK" (attorney docket no. F0678).

Please replace paragraph [0078], on page 18, with the following amended paragraph:

If a bin such as bin 1, 800b, contains a single table entry, the bin entry will store the switching logic data for that single address in its address entry field, and store the value "zero" in the next pointer field, indicating there are no further address entries in the chain. Bin 0, 800a 100a, however, references three addresses 810a – 810c by using the next pointer field to identify the location of the next entry in the chain. Bins 810b and 810c are linked in a linear list, as shown in Figure 8. Thus, the first entry of bin 0 is stored in the address entry field of the bin entry 800a and the next entry (heap entry 810a) is referenced by address entry "a" in the next pointer field of the bin entry 800a.